

**Government Response to Questions
on
Solicitation CARTS-12-R-KOL-0004**

	Para	Requirement	Question	Government Response
1	SOW 3.1.2 a	<ul style="list-style-type: none"> - Pulling CAT 5e/6 cables to each firing point - Installing network connectors at each point and each target coffin. 	Will underground conduit be open and assessable if CAT5e/6 are required to be run or will new underground conduit be required? Are the standard MTDP/TDP boxes installed? Typically Target vendors are give only a 6" x 6" area to mount their respective interfacing devices is this still the case? When you mention network connectors are you referring to outside MTDP/TDP mounted Amphenol connectors?	Reference Section 2.2 of the SOW (CEHNC 1110-1-23 - USACE Open Range Design Guide).
2	SOW 3.1.2.1 b	Target Grounding. You shall evaluate the existing grounding systems employed at the target pit locations and other key assets of the LOMAH range. You shall design, integrate, and install appropriate grounding systems for each of the target pit locations and firing position locations. The components shall be grounded in accordance with ANSI/NFPA 70.	If sufficient Grounding already exists are you requiring additional grounding as well?	You shall meet the requirements as stated in SOW paragraph 3.1.2.1 b.
3	SOW 3.1.3 c	You shall align the target lifters, LOMAH bars, silhouettes with the	What tolerances in relative height, width and distance are acceptable?	Reference Appendix B of the SOW paragraph 3.2.1.c.

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		firing positions.		
4	SOW 3.2.2	You shall comply with all DOD, Service and installation specific access regulatory doctrine or directives. You shall provide and display ID Badges. If required by installation, you shall also arrange for the personal to obtain the necessary local badges.....	If a Government Sponsor is required to obtain a contractor's ID or CAC card will the Government sponsor the supplier's installation personnel for the necessary time required to complete the necessary installation, testing, and acceptance?	If required, the Government will provide sponsorship and/or assistance.
5	Appendix B 3.2.2	Each lane shall include a shot sensor that detects that a round has been fired from that firing point thus signalling the system that a round is on the way in that lane.	It is assumed that this requirement/device is intended to automatically discriminate crossfire between adjacent lanes. To be able to meet this requirement and to create a stabile time pairing and function between shot sensor and LOMAH in the same lane a high accuracy in time synchronization is needed. Therefore it is advised that the following parameters should be added: <ul style="list-style-type: none"> - Minimum distance between adjacent lanes / shot sensors. - Feasible pairing probability stated in percent (%). - Investigate and define possible impact of communication latencies. 	The solicitation will clarify.
6	Appendix B 3.2.3	Lack of functional requirements for student station.	The requirements in this chapter seems to be 100% focused on interfaces, physical constraints and environmental conditions. It is therefore advised that § 3.2.3 should be added with functional software	No functional software requirements will be added to Appendix B. The TRACR software will be provided as GFE. See Appendix C for delivery of the GFE.

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			requirements.	
7	SOW 3.5	You shall develop a maintenance concept that consists of one level of maintenance – Field.....	Does this paragraph prevent the product from having any Depot level maintenance?	There is no Depot level maintenance. Only Field maintenance will be provided by the Government. All other equipment issues will be by the warranty.
8	SOW 3.7.1	You shall plan, develop and conduct the initial maintainer course....	Our assumption based upon this paragraph is that you want depot level training for maintenance personnel. If different skill sets are required will the Government provide the necessary skill set personnel?	The solicitation will clarify this paragraph.
9	SOW 3.8.1	You shall provide the facilities, parts and materials to repair failed and damaged equipment for a period of three (3) years.	What is meant by facilities? Is the Government requesting that the supplier provide facilities i.e. buildings and maintenance shops at these military installations? If the Government is requiring maintenance training at Depot level are we also being asked to perform our own repair of the items?	There is no Depot level maintenance. Only Field maintenance will be provided by the Government. All other equipment issues will be by the warranty.
10	SOW 3.10	You shall provide additional support for the LOMAH program to include training, logistics, engineering functions, support, maintenance services and operations as required by the government and as specified in accordance with individual work order(s).	If additional support, training, logistics, engineering is required after acceptance are these services which have previously been supplied other than warranty service calls, are they reimbursable or is it expected that the supplier provide these services for a 3 year period free of charge?	Range and Training Assistance will only be used during the Period of Performance of the Delivery Order.
11	Appendix B 3.2.1 (T) k	The LOMAH Bar shall be capable of recording all engagements (hit or miss) in an area that is 100% greater in	Please specify target silhouettes or maximum width and height of target silhouette.	Reference FASIT Performance Specification Section 3.3.1.2 and TC 25-8.

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		width and height than the <u>target silhouette profile</u> .		
12	Appendix C 1-4	General question	Are the ranges mentioned at appendix C new construction or upgrades to existing ranges? Are current electrical/data test reports and drawings available?	Ranges Oscar 7 & 9 are new construction. The other ranges are upgrades. Reference Section 2.2 of the SOW (1110-1-23 - USACE Open Range Design Guide).